

302.1 - Microindentation Hardness (block form)

These SRMs are for use in calibrating and checking the performance of microhardness testers and may be used in conjunction with [ASTM E 384](#). SRMs 1893 through 1907 are 1.25 cm × 1.25 cm (SRM 2798 is 1.35 cm × 1.35 cm) and were made by electroforming the test metal on AISI 1010 steel substrate. SRMs 2830 and 2831 are intended to meet the needs of the structural, electronic and biomedical ceramics communities.

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	1893	1894a	1895	1896b	1905	1906	1907	1908	1909	2798a	2830	2831
Description												Vickers Hardness, Ceramics and Hardmetals
	Microhardness, Cu-Knoop	Microhardness Cu-Vickers	Microhardness, Ni-Knoop	Microhardness Ni-Vickers	Microhardness, Ni-Knoop	Microhardness, Ni-Knoop	Microhardness, Ni-Knoop	Vickers Microhardness of Nickel	Vickers Microhardness of Nickel	Vickers Microhardness of Nickel	Microhardness, Ceramic-Knoop	
Unit of Issue	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)	(each)
Load (Newtons)	0.245, 0.490, 0.981	0.245, 0.490, 0.981 ?	0.245, 0.490, 0.981 ?	0.245, 0.490, 0.981 ?	2.943	4.905	9.81	2.943	9.81	4.905	19.6	9.8
Hardness, nominal (kgf/mm ²)	125	125	600	600	600	600	600	600	600	600	1500	1530